

***National Type Evaluation Program***  
***Certificate of Conformance***  
***for Weighing and Measuring Devices***

**For:**

Retail Motor Fuel Dispenser  
Electronic and Mechanical  
Model: JXXX Series\*  
Generic Name: LEGACY  
Flow Rates: (See Page 2)

**Submitted by:**

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**Standard Features and Options**

\*The specific model designations of devices covered by this certificate are listed on Page 2.

**Standard Features:** Back-lighted liquid crystal displays on electronic models  
Lane oriented or island oriented nozzles  
Stand-alone or console-controlled

**Display Values:**

	<u>Electronic</u>	<u>Mechanical</u>
Maximum total money	\$9999.99	\$99.99
Maximum total volume	999.999	999.9
Maximum unit price (PPU)	\$9.999	\$9.999

**Options:**

<u>Electronic</u>	<u>Mechanical</u>
Cash/credit pricing	Electric reset
Electromechanical totalizers	Flexmast hose mount
Flexmast hose mount	Hand drive
Hose retriever	Hose retriever
Programmable pump preset	Lighted
Rotated put-downs	Pulsers
U.S., SI or imperial gallons keytrol	U.S., SI, or imperial gallon
Visual display indicators	Visual display indicators

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: December 1, 1999

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Gilbert M. Ugiansky, Ph.D.  
Chief, Office of Weights and Measures  
Issue Date: March 7, 2000

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**Marconi Commerce Systems Inc.**  
**Retail Motor Fuel Dispenser**  
**Model: JXXX Series (LEGACY)**

**Model Designations:**

MODEL	J	X	X	X	
Product Name:					
LEGACY	J				
Product Series:					
Mechanical		M			
H-111		H			
Commercial, Mechanical Non-Computing		C			
Electronic		E			
Type:					
Conventional, Pump			1		
Master Pump			2		
Conventional, Dispenser			A		
Master Dispenser			B		
Satellite, Dispenser			C		
Combo (1/2 Master, 1/2 Satellite)			D		
Hydraulic Configuration:					Flow Rates
1 Grade, 1 Hose, Standard Gallon				0	2 to 13 gpm
1 Grade, 2 Hose, Standard Gallon				1	
2 Grades, 2 Hoses, Standard Gallon				2	
1 Grade, 1 Hose, High Gallon				3	4 to 22 gpm
1 Grade, 2 Hoses, High Gallon				4	
2 Grades, 2 Hoses, High Gallon				5	
1 Grade, 1 Hose, Ultra-Hi Gallon				6	12 to 60 gpm
1 Grades, 2 Hoses, Ultra-Hi Gallon				7	
2 Grades, 2 Hoses, Ultra-Hi Gallon				8	

**Application:** For use with approved and compatible equipment in dispensing gasoline, diesel, gasoline/methanol blends, gasoline/ethanol blends, and 100 percent methanol (M-100) at retail service station operations.

The Ultra-Hi gallonage models are only approved for diesel applications. High and Ultra-Hi gallonage models may have satellite configurations. The master dispenser unit installation must comply with NIST Handbook 44 requirements when product flow is dispensed from two or more outlets.

Approved for use with Stage II vapor recovery equipment when the system and components are certified, and the dispensers comply with the zero-set-back interlock requirement. No NTEP testing has been performed on the device equipped with vapor recovery option or equipment to determine compliance with Air Resources Board requirements. Mechanical dispenser models are suitable for use in applications where the total money amount does not exceed \$99.99. If the device is provided with the noncomputing option, then this device is not for direct sale applications.

**Marconi Commerce Systems Inc.  
Retail Motor Fuel Dispenser  
Model: JXXX Series (LEGACY)**

**Identification:** The destructible identification badge is on the side of the dispenser housing.

**Sealing:** The Ultra-Hi models use electronic meter calibrations; whereas, all other models may be equipped with the optional feature of electronic calibration (E-Cal) or calibration by adjusting the calibrator wheel on the meter.

The meter calibration wheel is accessed by removing a metal pin from the meter calibration wheel and turning the calibration wheel to increase or decrease the delivery amount. Access to the meter calibration is prevented by threading a wire security seal through a hole in the metal pin and holes in the center and sides of the calibration wheel.

Access to the electronic calibration switch on models which can be electronically calibrated is located behind the locked panel on the front of the dispenser cabinet. To access the adjustment mechanism on models equipped with E-Cal, remove the wire security seal that secures the hinged cover that fits over the switch. The switch is moved to the calibration position. A calibration code and the volume of the volumetric standard are entered into the keypad, next to the calibration switch. Product is then dispensed into the standard, a delivery error is determined in cubic inches, and the error value is entered into the keypad. The calibration switch is then returned to the normal operating position and the switch cover is sealed with a wire security seal.

**Test Conditions:** This Certificate is issued based upon information provided by the manufacturer to change the name of the company from the previous name, Gilbarco Inc., and to transfer ownership of the device covered under Certificate of Conformance Number 94-027A2 to Marconi Commerce Systems Inc. All institutional knowledge of the previous owner has been transferred to the new company. Test conditions for Certificate of Conformance Number 94-027A2 and its preceding Certificates are listed below for reference.

**Certificate of Conformance Number 94-027A2:** This Certificate superseded Certificate of Conformance Number 94-027A1 and was issued to include the optional feature of E-Cal to standard and high gallonage models in the JXXX (Legacy) Series dispensers. This Certificate was based on information provided by the manufacturer, an evaluation performed by a NTEP Participating Laboratory on the electronic calibration feature (Certificate of Conformance Number 90-115A6), and a previous evaluation of the electronic calibration feature (Certificate of Conformance Number 88-226A4).

**Certificate of Conformance Number 94-027A1:** This Certificate was issued without any additional testing and to add the new master/satellite installation, which is represented by the character "D" in the model designation, based on the previous evaluations and information provided by the manufacturer.

**Certificate of Conformance Number 94-027:** This Certificate was issued without any additional testing, based on type evaluation and permanence testing performed on devices covered by the Certificates of Conformance listed below, and on other information provided by the manufacturer.

The LEGACY models have identical components (valves, motors, pumps, air separators, pumps, etc.) as those in devices that were previously evaluated in the following models: H111-B Highline Series (Certificate of Conformance Number 88-226), H111-B Ultra-Hi Series (Certificate of Conformance Number 88-226A3), Trimline Series (Certificate of Conformance Number 91-088), and ADVANTAGE Series (Certificate of Conformance Number 90-115A3). The meters used in these devices were Gilbarco Inc. Models PA024TC10 and PA024NC10 (Certificate of Conformance Number 92-056), except for the Liquid Controls Model M-5 (Certificate of conformance Number 92-075) meter used in the Ultra-Hi models.

The results of the evaluations indicate the devices comply with applicable requirements of NIST Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 1999 Edition

**Information Reviewed By:** R. Whipple (NIST) 94-027; J. Williams (NIST) 94-027A1 & 94-027A2; L. Sebring (NIST) and G. Newrock (NIST) 99-184